

10/667,088

=> file caplus

FILE 'CAPLUS' ENTERED AT 13:54:59 ON 02 DEC 2004

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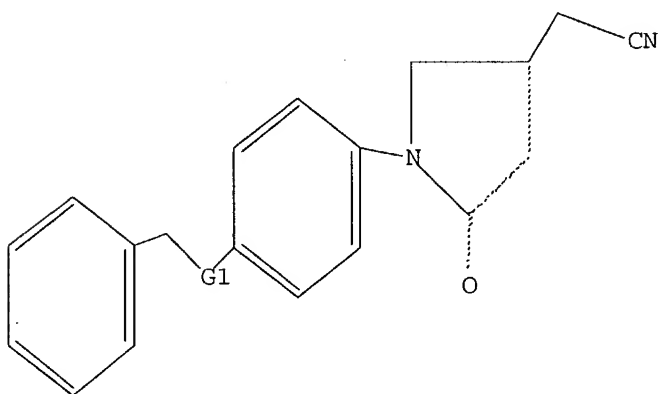
FILE COVERS 1907 - 2 Dec 2004 VOL 141 ISS 23

FILE LAST UPDATED: 1 Dec 2004 (20041201/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que

L5 STR



G1 C,O

Structure attributes must be viewed using STN Express query preparation.

L6 4 SEA FILE=REGISTRY SSS FUL L5

L7 1 SEA FILE=CAPLUS L6

=> d 17 1 ibib abs hitstr

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:267296 CAPLUS

DOCUMENT NUMBER: 140:303520

TITLE: Preparation of arylpyrrolidones as monoamine oxidase-B (MAO-B) inhibitors

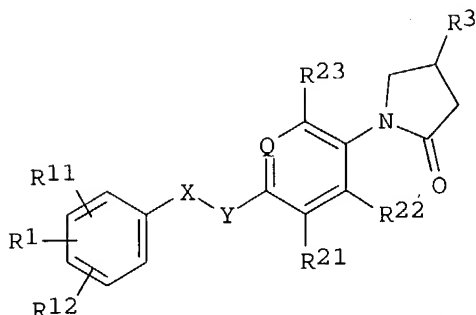
INVENTOR(S): Iding, Hans; Jolidon, Synese; Krummenacher, Daniela; Rodriguez Sarmiento, Rosa Maria; Thomas, Andrew William; Wirz, Beat; Wostl, Wolfgang; Wyler, Rene

PATENT ASSIGNEE(S): F. Hoffmann-La Roche A.-G., Switz.

10/667,088

SOURCE: PCT Int. Appl., 55 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004026827	A1	20040401	WO 2003-EP10384	20030918
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004097578	A1	20040520	US 2003-666594	20030918
US 2004106650	A1	20040603	US 2003-667088	20030918
US 2004116707	A1	20040617	US 2003-667087	20030918
PRIORITY APPLN. INFO.:			EP 2002-21319	A 20020920
OTHER SOURCE(S):			MARPAT 140:303520	
GI				



AB Title compds. (I; Q = N, CR24; XY = CH<sub>2</sub>CH<sub>2</sub>, CH:CH, CH<sub>2</sub>O; R<sub>1</sub>, R<sub>11</sub>, R<sub>12</sub> = H, halo, alkyl, haloalkyl, cyano, alkoxy, haloalkoxy; R<sub>21</sub>, R<sub>22</sub>, R<sub>23</sub> = H, halo; R<sub>24</sub> = H, halo, Me; R<sub>3</sub> = CONHMe, CH<sub>2</sub>CN), were prepared Thus, Me 1-(4-hydroxyphenyl)-5-oxopyrrolidine-3-carboxylate (preparation given), K<sub>2</sub>CO<sub>3</sub>, and 3-fluorobenzyl bromide were refluxed 5 h in EtCOMe to give 24% Me 1-[4-(3-fluorobenzoyloxy)phenyl]-5-oxopyrrolidine-3-carboxylate. The latter was heated with MeNH<sub>2</sub> in EtOH/DMF in a sealed vessel at 120° for 48 h to give 31% 1-[4-(3-fluorobenzoyloxy)phenyl]-5-oxopyrrolidine-3-carboxylic acid methylamide. Preferred I inhibited MAO-B with IC<sub>50</sub> ≤1μM.

IT 676472-62-1P 676472-63-2P 676472-64-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

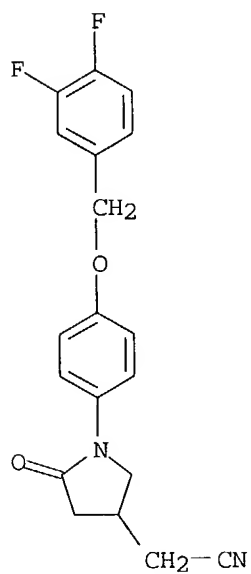
(claimed compound; preparation of arylpyrrolidones as monoamine oxidase-B inhibitors)

RN 676472-62-1 CAPLUS

CN 3-Pyrrolidineacetonitrile, 1-[4-[(3,4-difluorophenyl)methoxy]phenyl]-5-oxo-

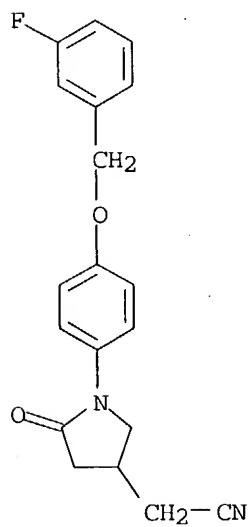
10/667,088

(9CI) (CA INDEX NAME)



RN 676472-63-2 CAPLUS

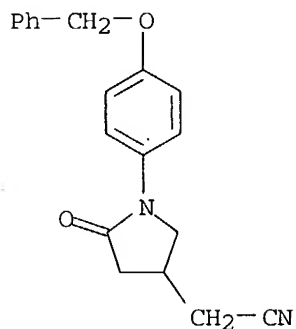
CN 3-Pyrrolidineacetonitrile, 1-[4-[(3-fluorophenyl)methoxy]phenyl]-5-oxo-  
(9CI) (CA INDEX NAME)



RN 676472-64-3 CAPLUS

CN 3-Pyrrolidineacetonitrile, 5-oxo-1-[4-(phenylmethoxy)phenyl]- (9CI) (CA  
INDEX NAME)

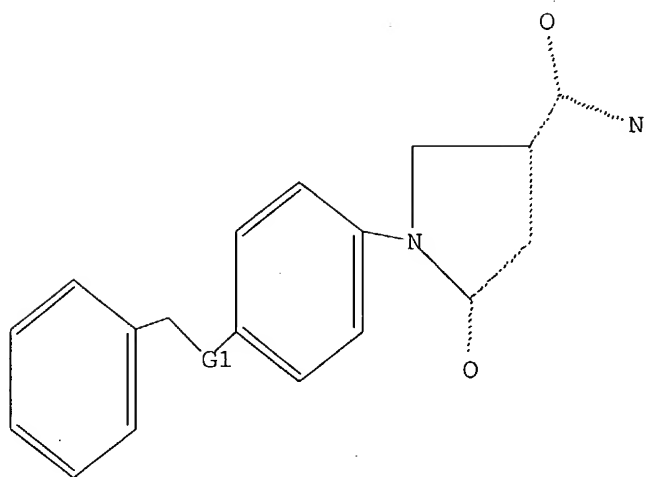
10/667,088



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> => d que  
L8

STR



G1 C,O

Structure attributes must be viewed using STN Express query preparation.

L10 137 SEA FILE=REGISTRY SSS FUL L8

L11 1 SEA FILE=CAPLUS L10

=> d l11 ibib abs hit

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:267296 CAPLUS

DOCUMENT NUMBER: 140:303520

TITLE: Preparation of arylpyrrolidones as monoamine oxidase-B (MAO-B) inhibitors

INVENTOR(S): Iding, Hans; Jolidon, Synese; Krummenacher, Daniela; Rodriguez Sarmiento, Rosa Maria; Thomas, Andrew William; Wirz, Beat; Wostl, Wolfgang; Wyler, Rene

PATENT ASSIGNEE(S): F. Hoffmann-La Roche A.-G., Switz.

SOURCE: PCT Int. Appl., 55 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

The chemical structure shows a benzene ring with substituents R<sub>1</sub>, R<sub>11</sub>, and R<sub>12</sub>. It is connected via a linker X-Y to a pyridine ring. The pyridine ring has substituents R<sub>21</sub>, R<sub>22</sub>, and R<sub>23</sub>. The pyridine ring is further connected to a pyrrolidine ring, which has a substituent R<sub>3</sub>.

IT      676472-31-4P   676472-32-5P   676472-33-6P  
          676472-34-7P   676472-35-8P   676472-36-9P  
          676472-37-0P   676472-38-1P   676472-39-2P  
          676472-40-5P   676472-41-6P   676472-42-7P  
          676472-43-8P   676472-44-9P   676472-45-0P  
          676472-46-1P   676472-47-2P   676472-48-3P  
          676472-49-4P   676472-50-7P   676472-51-8P  
          676472-52-9P   676472-53-0P   676472-54-1P  
          676472-55-2P   676472-56-3P   676472-57-4P

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676472-58-5P 676472-59-6P 676472-60-9P  
676472-61-0P 676472-62-1P 676472-63-2P 676472-64-3P  
676472-65-4P 676472-66-5P 676472-67-6P 676472-68-7P  
676472-69-8P 676472-70-1P 676472-71-2P  
676472-72-3P 676472-73-4P 676472-74-5P  
676472-75-6P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
(Uses)

(claimed compound; preparation of arylpyrrolidones as monoamine oxidase-B  
inhibitors)

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